

Product datasheet for **RR207554**

Drd3 (NM_017140) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Drd3 (NM_017140) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Drd3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207554 representing NM_017140
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACCTCTGAGCCAGATAAGCACCCACCTCAACTCCACCTGCGGGGCAGAAAATCCACTGGCGTCA
ACCGGGCCCGTCCGCACGCCTACTACGCCCTGTCTACTGTGCTCATCCTAGCCATCATCTTTGGCAA
CGGCCTGGTATGTGCTGCTGTGCTGAGGGAGCGTGCCCTGCAGACCACCAACTAGTGGTGAGC
CTGGCTGTGGCCGACCTGCTAGTGGCCACGTTGGTGATGCCGTGGTGGTACTTGGAGGTGACAGGTG
GAGTCTGGAATTTAGCCGCAATTTGCTGTGACGTTTTTGTACCCTGGATGTCATGATGTGTACAGCCAG
CATCCTGAACCTCTGTGCCATCAGCATAGACAGGTACACAGCGGTGGTATGCCAGTTCACTATCAGCAC
GGCACCAGGCAGAGCTCCTGTAGACGTGTGGCACTCATGATCACAGCTGTGTGGGTGCTGGCTTTTGCTG
TGTCTGCCCTCTCCTTTGGTTTCAACACAACAGGGGATCCCAGCATCTGCTCCATCTCCAACCCTGA
TTTTGTCATTTACTCTTCAGTGGTGTCTTCTACGTTCCCTTCGGGGTACTGTCCTGGTCTATGCCAGG
ATCTACATAGTCCTGAGGCAAAGGCAAAGAAAACGGATCCTCACTCGACAGAACAGCCAGTGCATCAGTA
TCAGACCTGGCTTTCCTCAGCAGTCTTCTGTCTGAGGCTGCATCCCATTCCGCAGTTTTCAATAAGGGC
CAGGTTTTCTGTCAGATGCCACAGGACAAATGGAGCACATAGAAGACAAACAATATCCCCAGAAATGCCAG
GACCCCTTTTGTACACCTGCAGCCCCCTCACCTGGTCCAGACACATGGGGGGTGAAGCGCTACTACA
GCATCTGCCAAGACACTGCCTTGAGACACCAAGCTTGAAGGCGGGGCAGGGATGAGCCCCGTGAAAAG
GACTCGGAACTCCTTGAGCCCCACCATGGCACCAAGCTCAGCTTAGAGGTTTCGAAAACCTCAGCAACGGC
AGGTTATCCACGTCCTGAGGCTGGGGCCCTGCAGCCTCGGGGAGTACCACTTCGAGAGAAGAAGGCCA
CCCAGATGGTGGTCATTGTGCTTGGAGCCTTATTGTCTGCTGGCTGCCCTTCTTCTGACTCACGTTCT
TAATACCACTGTCAAGCATGCCACGTGTCCCCAGAGCTTTACAGAGCCACAACGTGGCTAGGCTATGTG
AACAGTCCCTGAATCCTGTGATCTATACCACCTTCAATGTGGAGTTCGCAAAGCCTTCTCAAGATCC
TGTCCTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207554 representing NM_017140
 Red=Cloning site Green=Tags(s)

MAPLSQISTHLNSTCGAENSTGVNRARPHAYYALSYCALILAIIFGNGLVCAAVLRERALQTTTNYLVVS
 LAVADLLVATLVMPVVVYLEVTGGVWVNSRICCDVFVTLDMCTASILNLCASIDRYTAVVMPVHYQH
 GTGQSSCRRVALMITAVWVLAFAVSCPLLFGFNTTGDPSICISINPDFVIYSSVVSFYVPFGVTVLVYAR
 IYIVLRQRQRKIRILTRQNSQCISIRPGFPQSSCLRHPHPIRQFSIRARFLSDATGQMEHIEDKQYPQKCQ
 DPLLSHLQPPSPGQTHGGLKRYYSICQDTALRHPSLEGGAGMSPVERTRNSLSPTMAPKLSLEVRKLSNG
 RLSTSLRLGPLQPRGVPLREKKATQMVVIVLGAFLVCWLPFFLTHVLNTHCQACHVSPELYRATTWLGYY
 NSALNPVIYTTFNVEFRKAFLKILSC

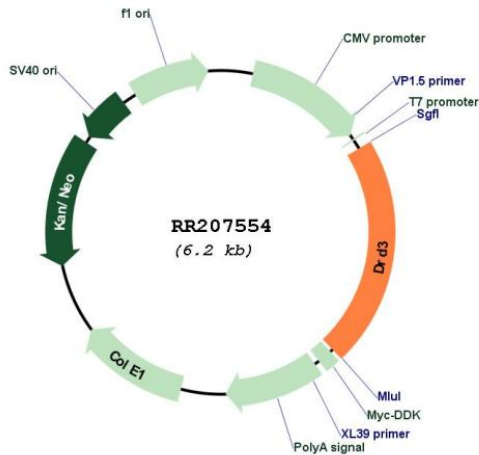
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_017140
ORF Size:	1338 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_017140.2 , NP_058836.1
RefSeq Size:	1481 bp
RefSeq ORF:	1341 bp
Locus ID:	29238
UniProt ID:	P19020
Cytogenetics:	11q21
MW:	49.5 kDa
Gene Summary:	may be involved in facilitating the effects of antipsychotic drugs and drug treatments for Parkinson's disease [RGD, Feb 2006]